APPLICATION OF ROBOTS AND ARTIFICIAL INTELLIGENCE METHODS IN ENGINEERING AND SCIENCE FIELDS (ARAIMESF)-SERIES: 1

Important Date

1st Round call for abstract/paper: : 10-04-2024

Registration

Category	Early Bird registration (till 20th April 2024)	Late Registration
Student	5900 INR/ US $100	7080 INR/ US $130
Academician/ R&D Lab.	5900 INR/ US $150	7080 INR/ US $180
Industrialist	13000 INR/ US $200	15000 INR/ US $230

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About Host:

National Institute of Technology Rourkela was established in 1961 to cater various engineering applications at national and international levels. NIT Rourkela provides quality education in a diverse and multi-cultural environments. The mission of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source knowledge and expertise for the society and be a preferred destination for undergraduate, graduate studies and cutting edge researches.

Call for Papers:

This conference confines with ten tropical tracks, which are well balanced in content and created an adequate discussion space for recent inventions. ARAIMESF hosts following research tracks:

Track-i: Intelligent Automation and Machine Learning by Mobile Robots at Industry-Institute Levels.
Track-ii: Intelligent Automation and Machine Learning by Humanoids at Industry-Institute Levels.
Track-iii: Intelligent Automation and Machine Learning by Aerial Robots at Industry-Institute Levels.
Track-iv: Application of Under Water Robots for Automation and Surveillance for various scenarios.
Track-v: Automation and Machine Learning by Robotic Arms at Industry-Institute Levels.
Track-vi: Application of AI and Machine Learning for Pneumatics, Electro-Pneumatics,Hydraulics, Electro-Hydraulics Systems.
Track-vii: Application and Use of AI and Robots for Design, Smart manufacturing, Precision Engineering and Metrology
Track-viii: AI and 3D printing at Industry-Institute Levels.
Track-ix: Overall use of Robots and AI for Space and Other Exploration.
Track-x: Cost optimization using AI and Robots in design and manufacturing at Industry-Institute Levels.

Proceedings Publication:

Selected papers will be published in Scopus/SCI Indexed Publishing House/Springer Publishing House/Elsevier Publishing House.(To be updated soon in the conference website).

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(ARAIMESF 2024)

11-12 June 2024

Organized by

**Department of Mechanical Engineering
National Institute of Technology, Rourkela**

Patron : Prof. K.Umamaheshwar Rao, Director, NIT Rourkela

Coordinator (1): Prof Dayal R. Parhi, Senior Professor, NIT Rourkela

Coordinator (2): Prof. BBVL Deepak Assistant Professor, NIT Rourkela